



**Appointment Type:** Permanent  
**Working Time:** Full Time  
**Reference Code:** NB00018064 E  
**Opening Date:** 07/09/2009  
**Closing Date:** 12/31/9999



## Electronic Design Engineer with the Washington State Patrol (NB00018064) \$5,395 to \$7,082 per month (Range 69)

### Agency Information

This position is located with the Washington State Patrol's Electronic Services Division (ESD), which supports the State Patrol with engineering skills in communication, electronics, networking, radio transmission, analog, and digital designs.

There is a current vacancy in Union Gap, near Yakima. This recruitment will remain open until the position is filled. Jobseekers are encouraged to apply at the very first opportunity.

### Duties

- \* Researches, compiles and interprets data; develops application criteria and standards for radar, lidar and video-based Speed Measuring Devices (SMD).
- \* Configures, allocates, and manages SMD provisioning and certification.
- \* Prepares system designs of communication systems and associated documentation.
- \* Designs, develops and deploys user specific SMD implementations.
- \* Writes and originates test and certification procedure instructions for the guidance of technical and operational personnel.
- \* Prepares project schedules, manpower requirements, cost estimates, and bid requests.
- \* Submits performance and progress reports on assigned projects.
- \* Investigates and researches difficult problem areas relating to tests, maintenance, and product improvements.
- \* Provides expert Radar/Lidar testimony in the Washington State Court System.
- \* Prepares technical specifications for the purchase of new equipment.

This position requires extensive travel throughout the state in support of SMD certification and court testimony. May require work in excess of 40 hours per week to meet court schedules.

### Qualifications

Required Qualifications:

A Bachelor's degree in engineering, mathematics or physics OR additional training in electronics or electrical engineering may be substituted for education on a year for year basis.

In-depth knowledge of electrical, RF and electro-optical test equipment, test procedures, and trouble-shooting techniques.

Desired Qualification:

Four or more years of experience in a field relating to law enforcement Speed Measuring Devices.

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#### Desired License/Certification:

A valid General Radiotelephone Operator license issued by the Federal Communications Commission or a private NABER certification is desired. For information on the General Radiotelephone Operators license please visit <http://wireless.fcc.gov/commoperators/pg.html>.

### Special Notes

#### BENEFITS

Washington State offers a solid benefits package that includes a state retirement plan, deferred compensation, paid holidays, paid vacation and sick leave, a full array of health, dental, life and long-term disability insurance coverage, and other optional benefit programs. In addition, the Washington State Patrol offers promotional opportunities, continuous learning opportunities, tuition reimbursement, meaningful and ethical work, and an opportunity in serving citizens and making a difference.

This position is in a collective bargaining unit, the Washington Federation of State Employees, and as a condition of employment you will be required to become a union member or pay a fee as outlined in the Master Agreement.

#### APPLICATION PROCESS

Applications will be accepted electronically at [www.careers.wa.gov](http://www.careers.wa.gov). You will be asked to complete an employment profile (application) and additional information, which is an evaluation of your experience and training.

In addition, please provide a current resume that includes your employment history and education. You may attach an existing resume in Word or PDF format to your profile in the "ATTACHMENTS" tab.

### Other Information

#### BACKGROUND INVESTIGATIONS/TRANSCRIPTS

For those candidates that make it through the selection process a background investigation, including a polygraph exam, will be required due to the nature and security requirements of the job. Applicants will be required to sign releases of information and shall not have access to any investigative materials or files. Background investigations are part of the pre-employment selection process and are not a commitment to employment.

As part of the background investigation, you will be required to submit official college and/or high school transcripts, indicating the education level earned, to the WSP Human Resource Division. Please do not send these transcripts at the time of application. If you are selected to continue on to the background and polygraph process you will be asked to provide transcripts at that time.

If you have questions regarding this announcement, please contact Ms. Ann Weber at [Ann.Weber@wsp.wa.gov](mailto:Ann.Weber@wsp.wa.gov).

Persons with a disability, who need assistance in the application or assessment process, or those needing this announcement in an alternative format, may call (360) 704-2317. Applicants that are deaf or hard of hearing may call through the Washington Relay Service 7-1-1 or TDD# (360) 586-0660.

The Washington State Patrol actively supports diversity in the workplace and is an Equal Opportunity Employer.

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